## **ABSTRACT**

A platform to implement a Chinese input method consists of the following components: 1. A Keypad. 2. A cascade Multi-Window, 3. A Sentence Editing Buffer. 4. An Attribute Viewing Window. 5. A Text Accumulation Window. 6. A two-level phrase set refining control window. The keypads are designed based on the lexical structures of the Zhu-Yin and Pin-Yin phonetic systems. Efficient mouse operations have been designed to enter phonetic symbol strings. The Multi-Window can present a great many candidate words and phrases. It allows a user to browse on its multi pages without mouse clicking. A two-phase sentence generation procedure relieves users from the burden of sentence segmentation and creates the possibility of harvesting system supplied longer generalized phrases.